

FIG. 1

200 ↗

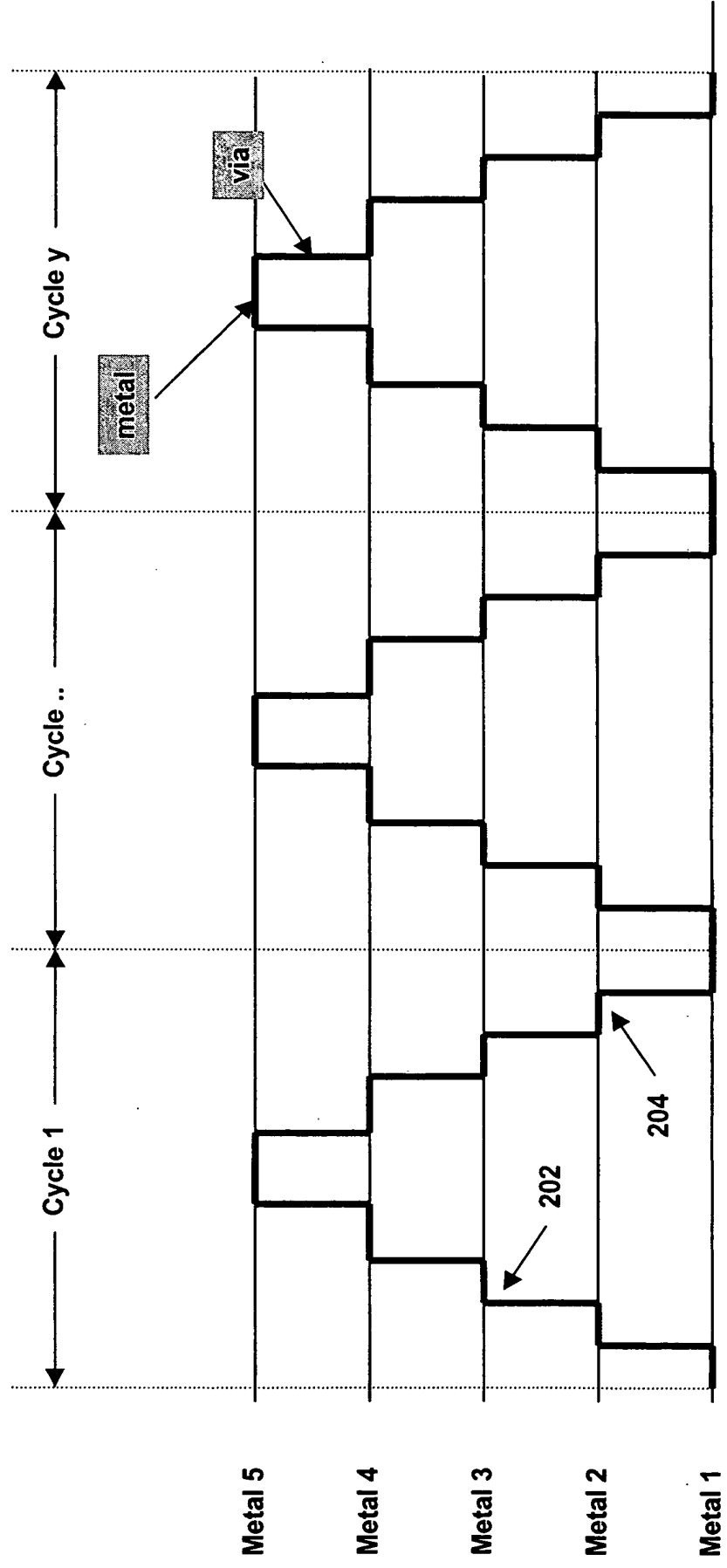


FIG. 2

300

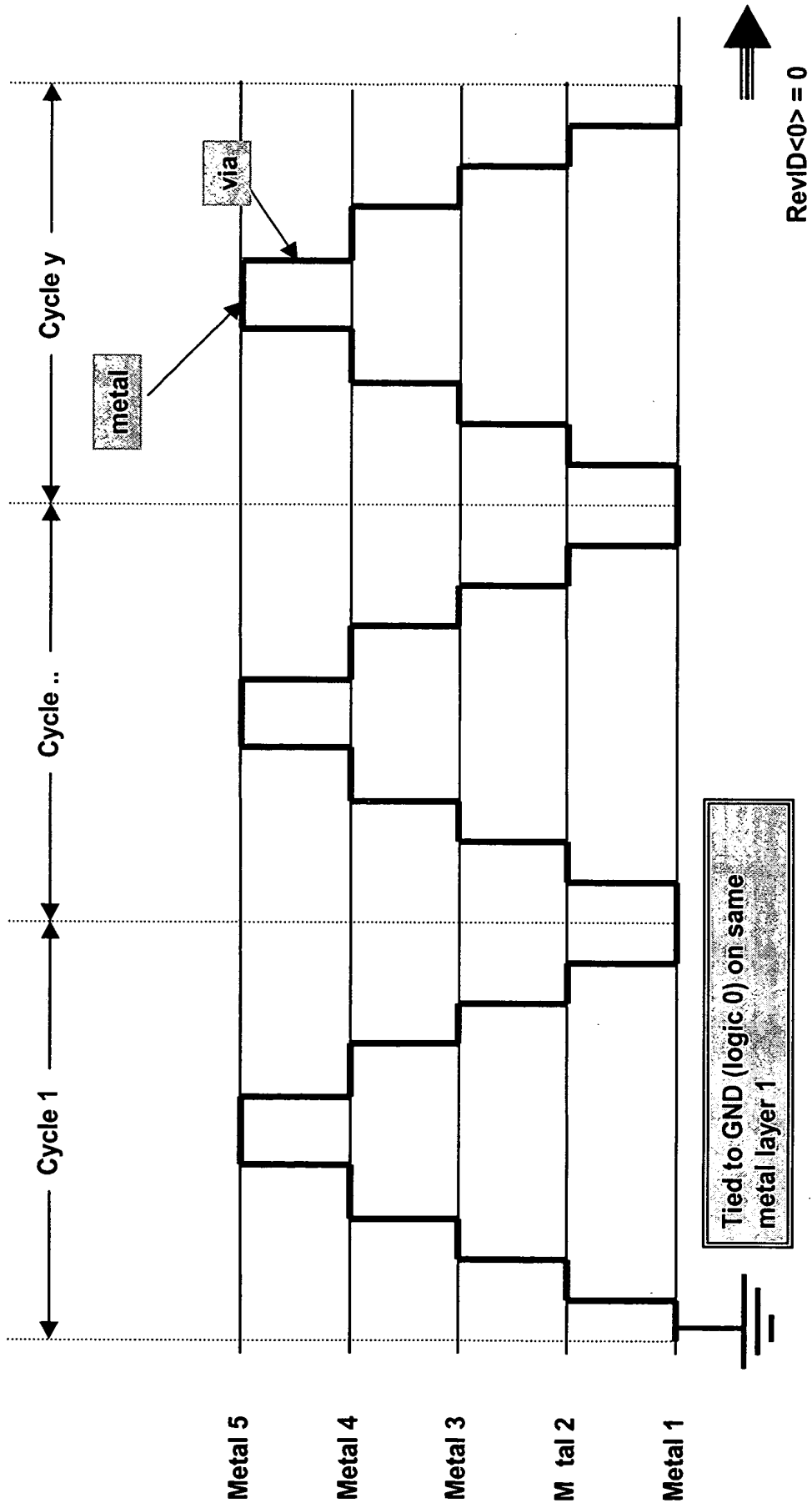
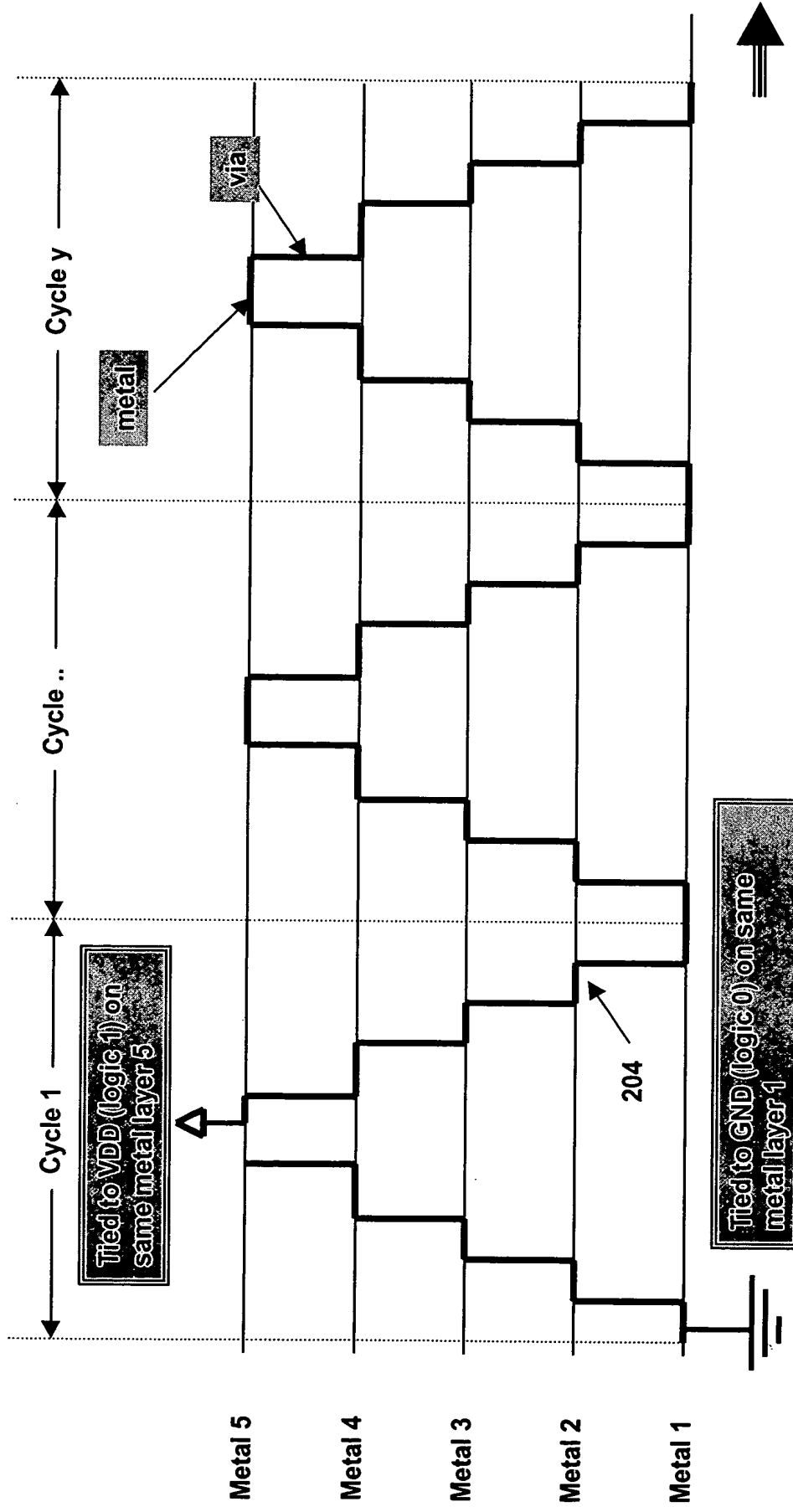


FIG. 3A

300



RevID<0> = 1

FIG. 3B

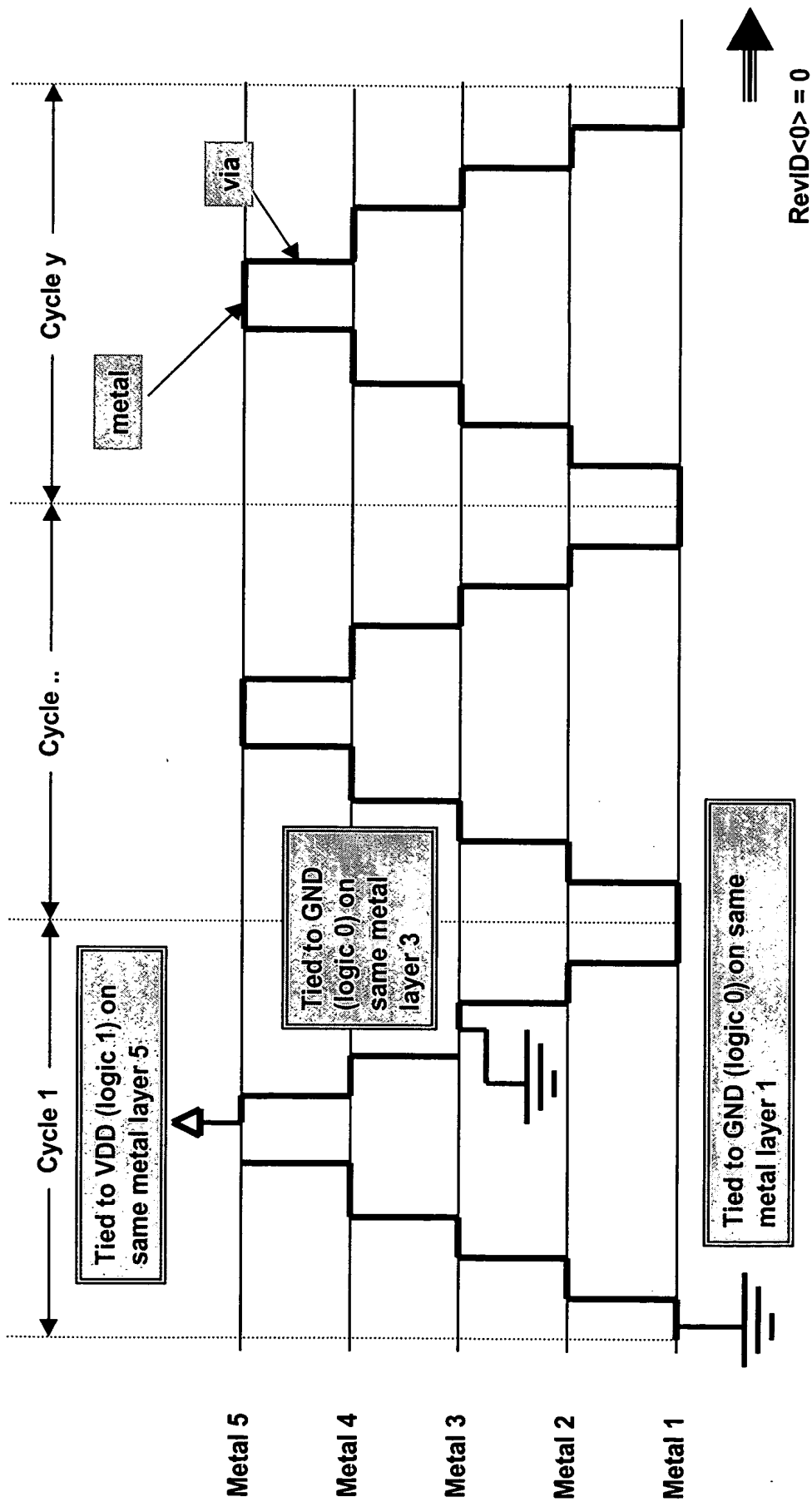


FIG. 3C

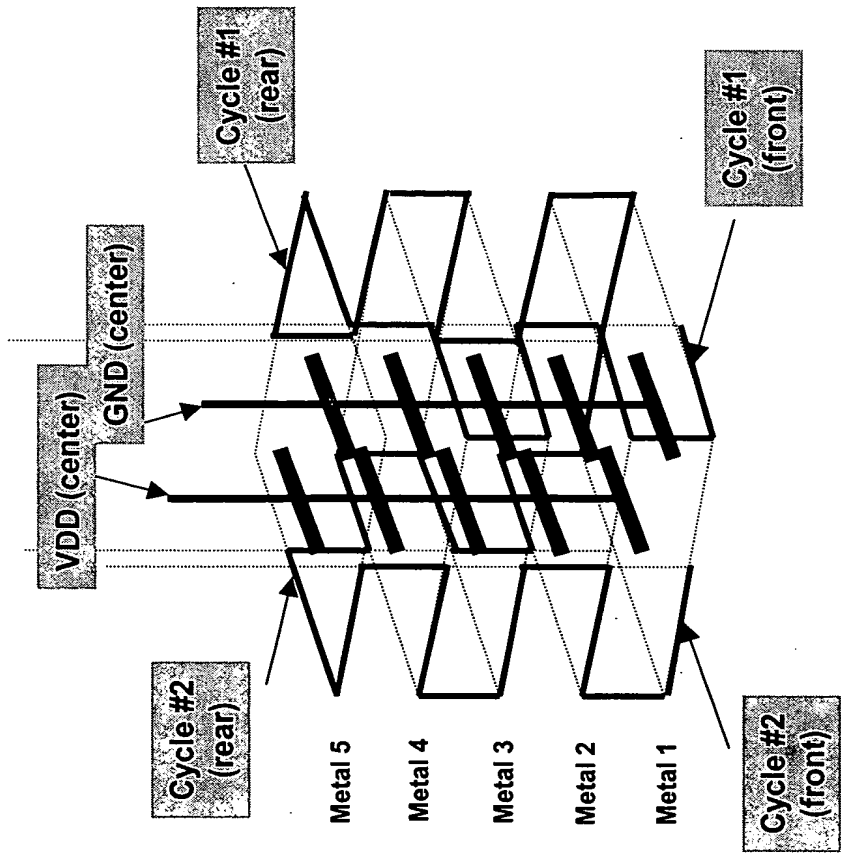


FIG. 4

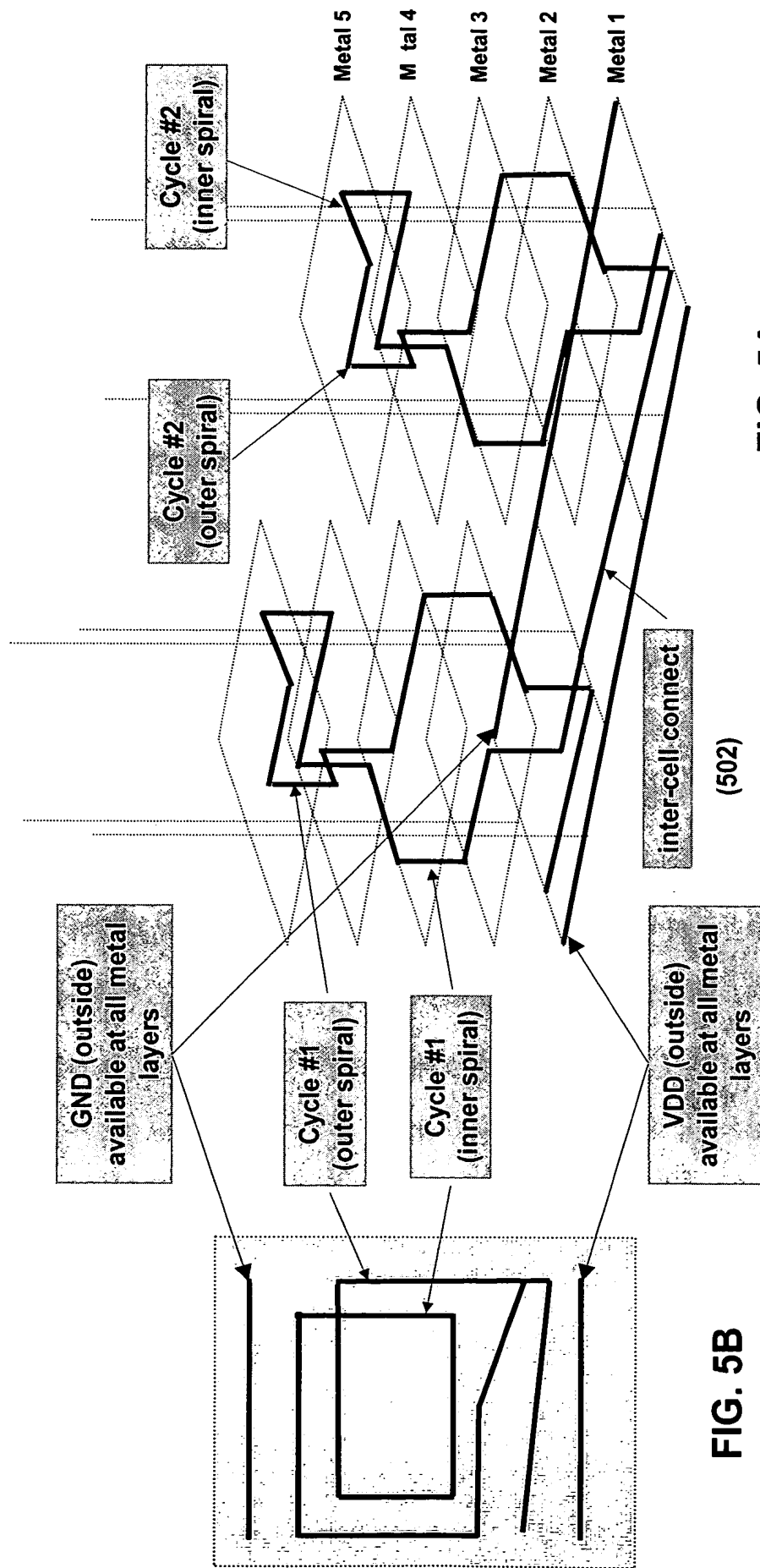


FIG. 5B

FIG. 5A

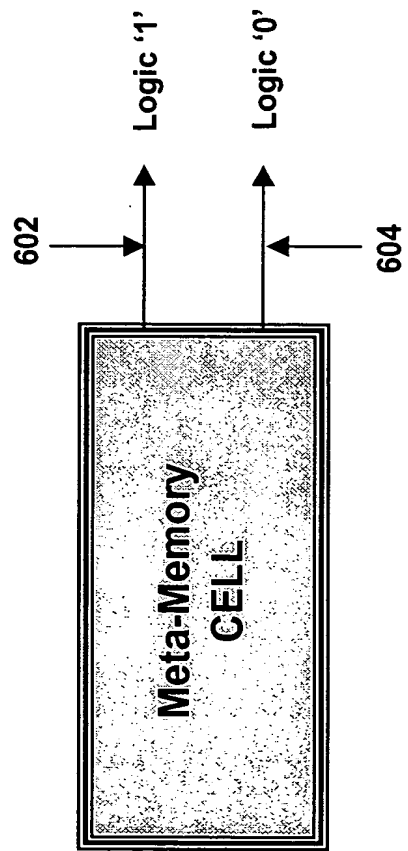


FIG. 6



700

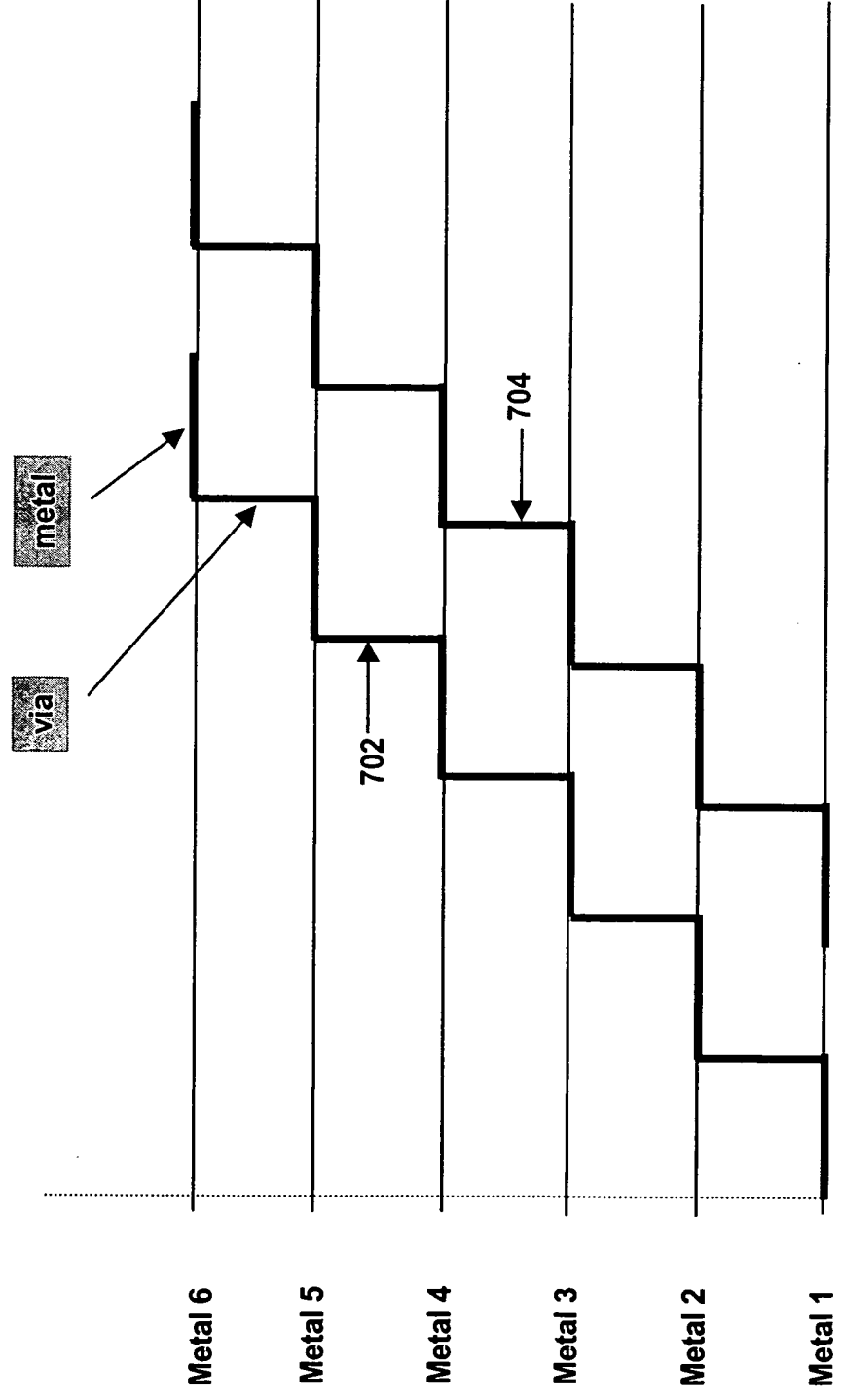


FIG. 7A

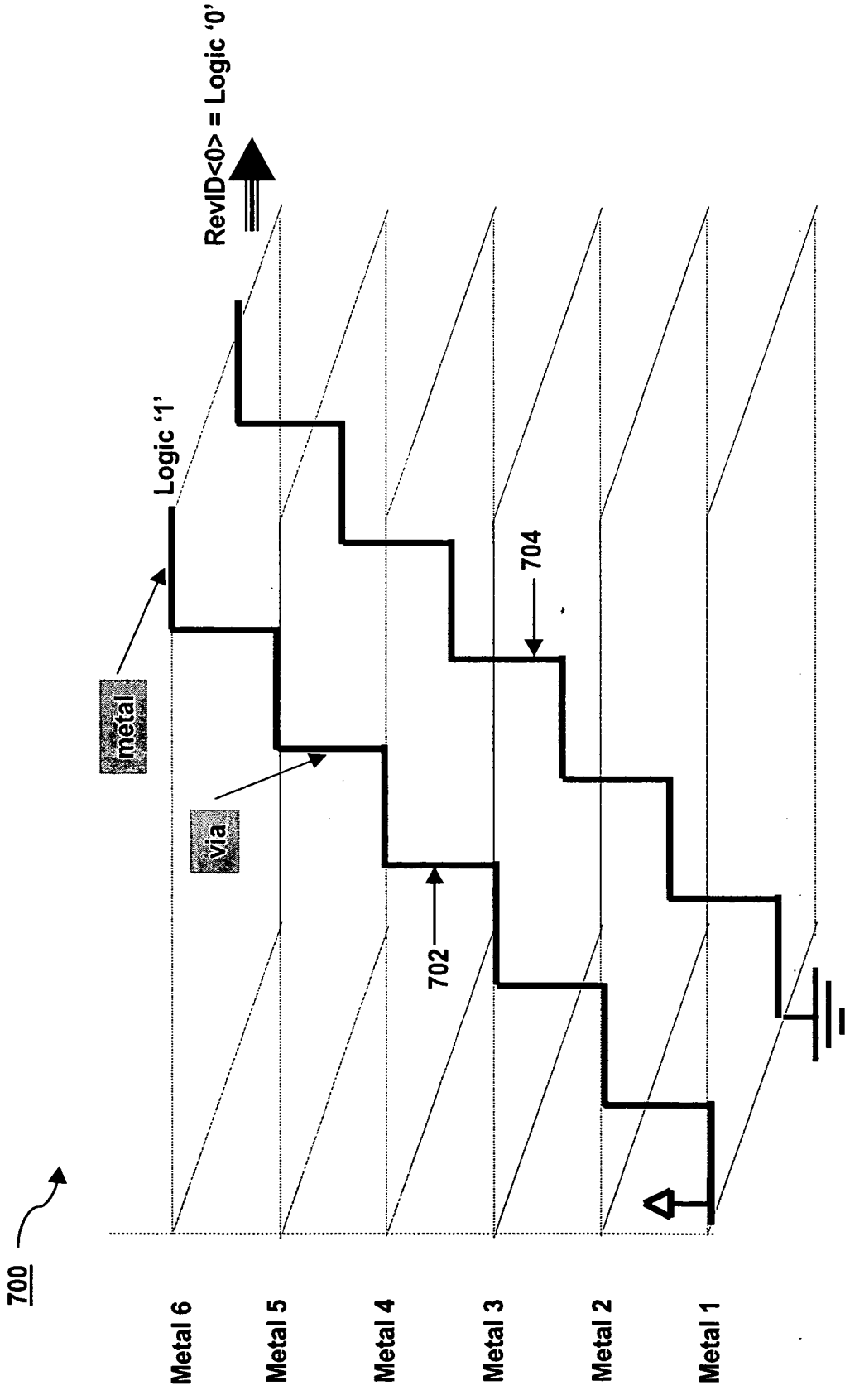


FIG. 7B

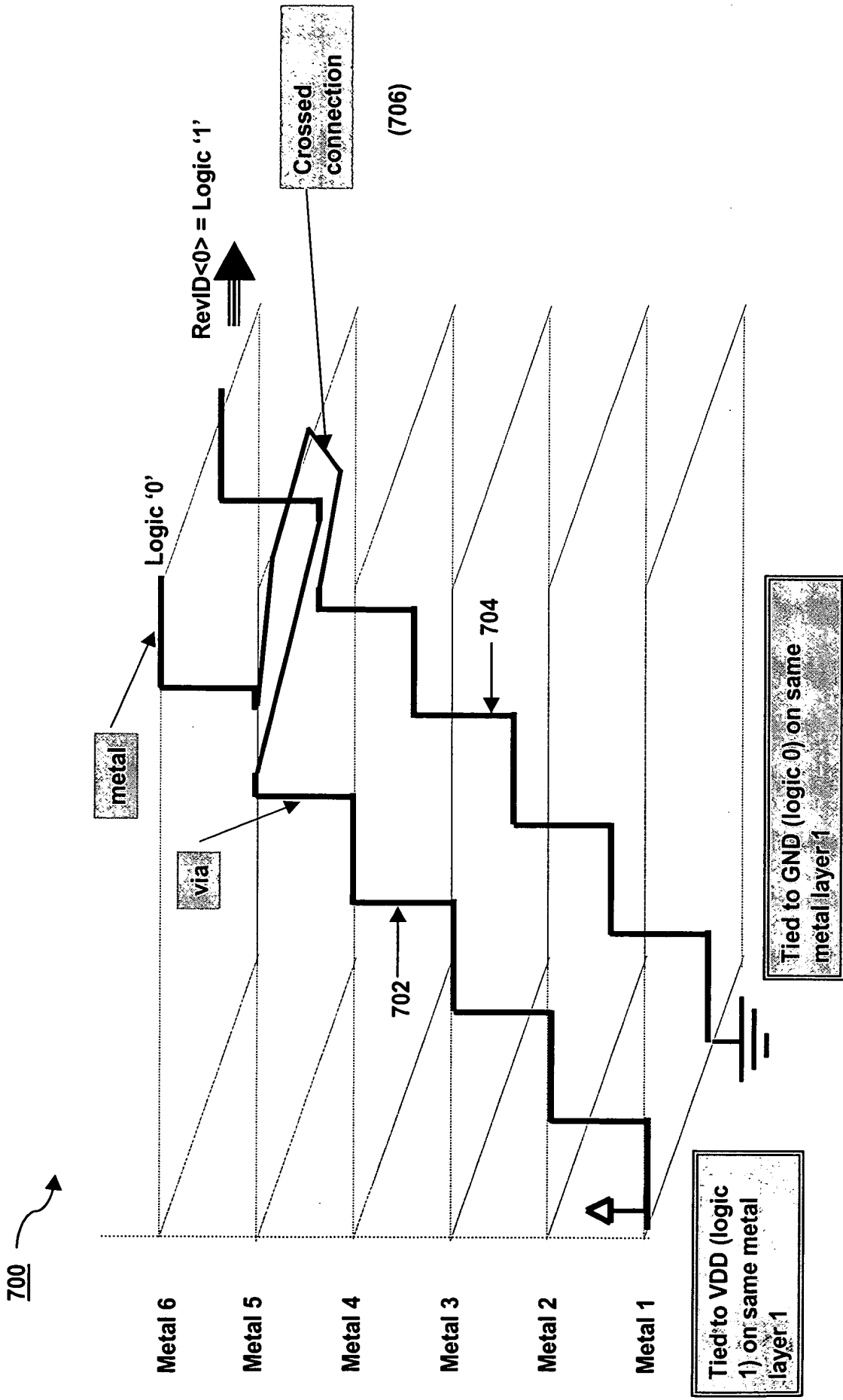


FIG. 7C

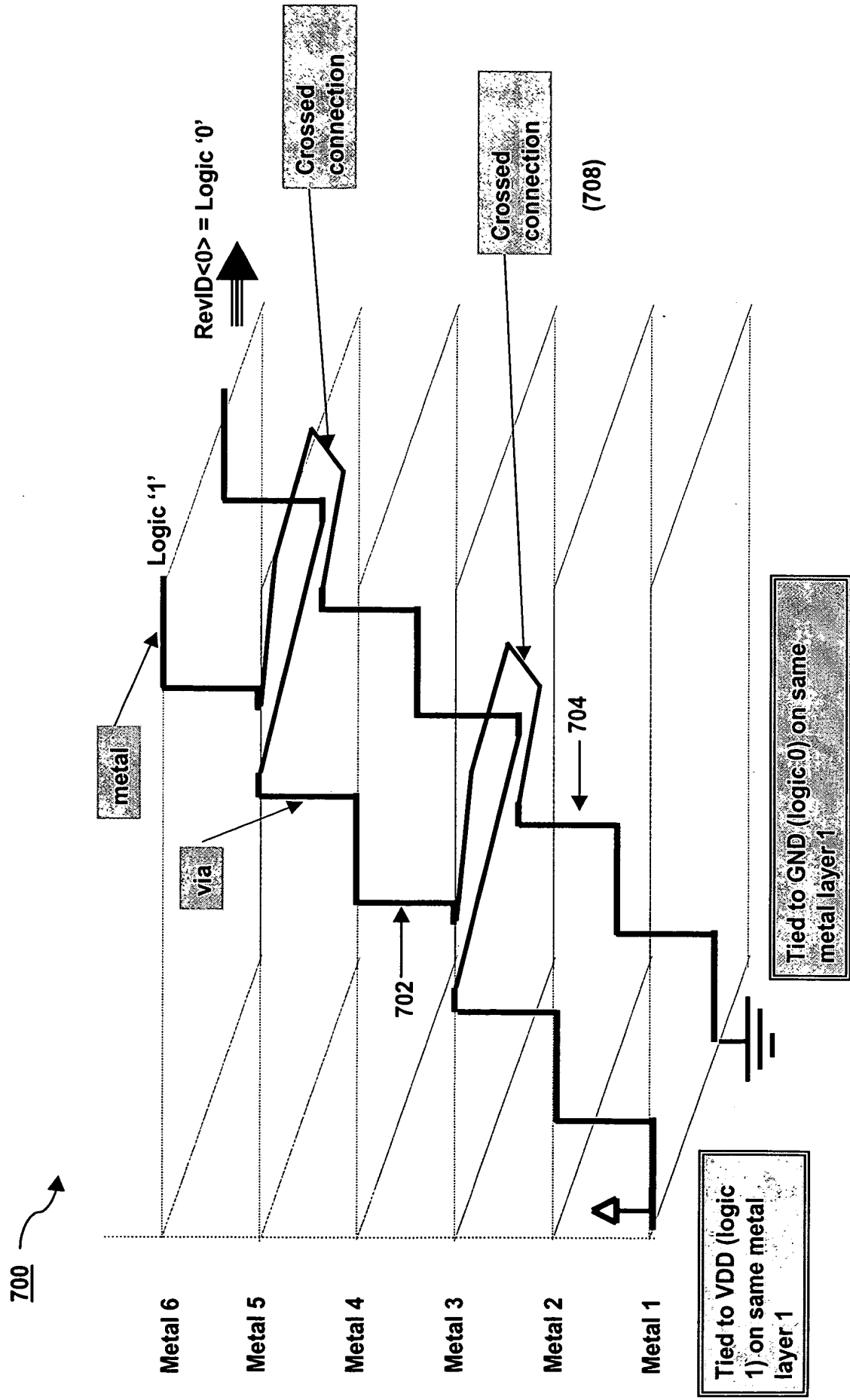


FIG. 7D

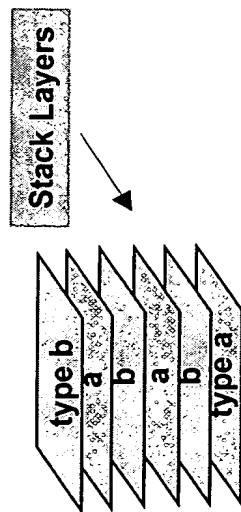


FIG. 8A

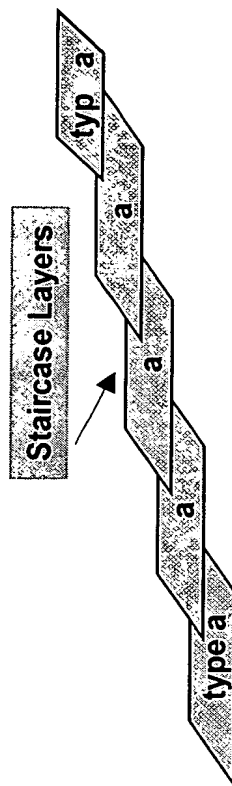
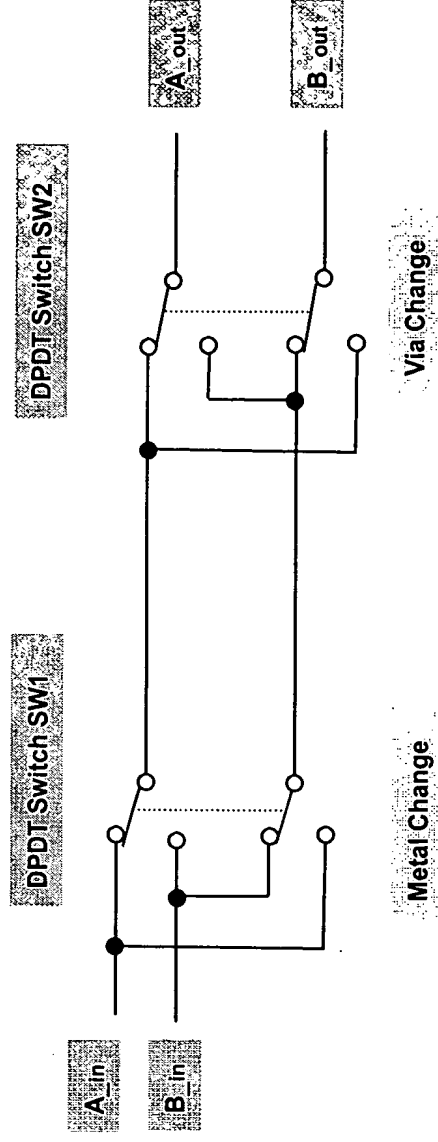


FIG. 8B



**FIG. 9A**



**FIG. 9B**

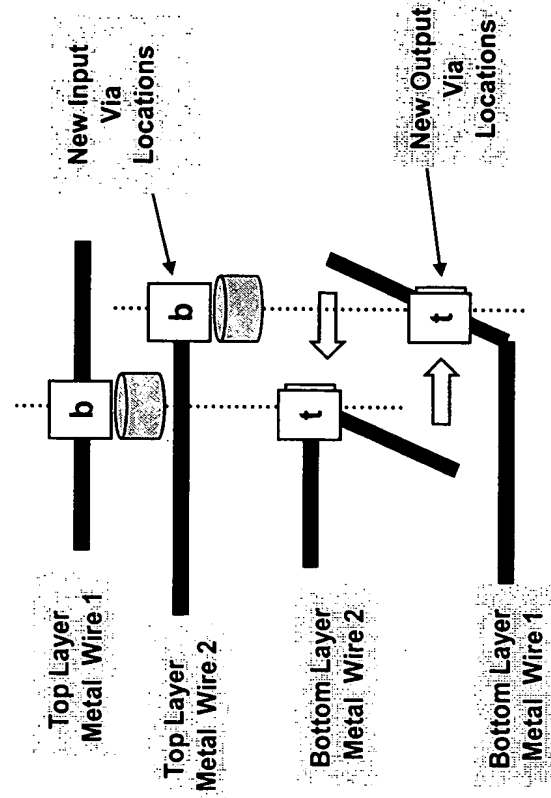


FIG. 9D

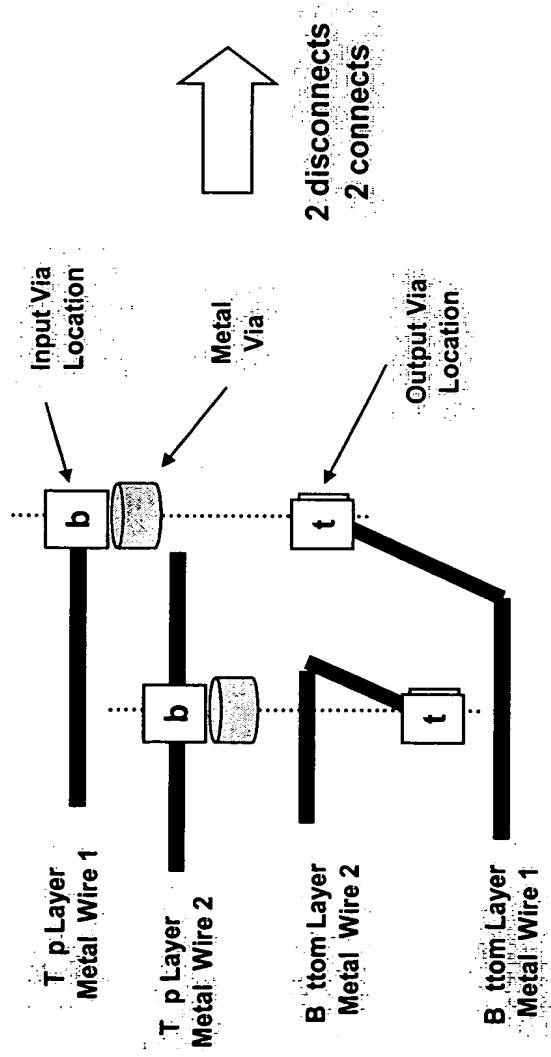


FIG. 9C

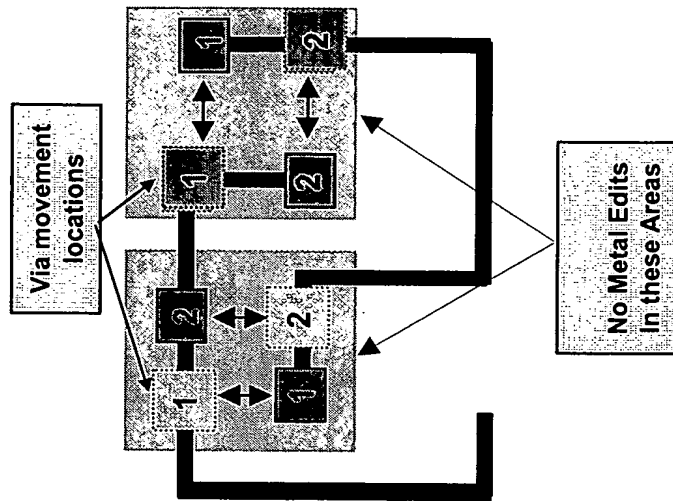


FIG. 10B

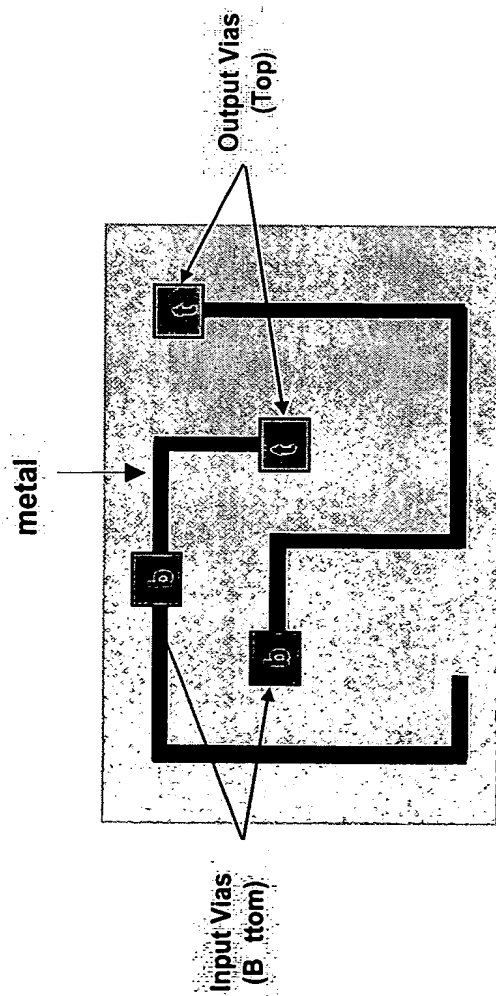
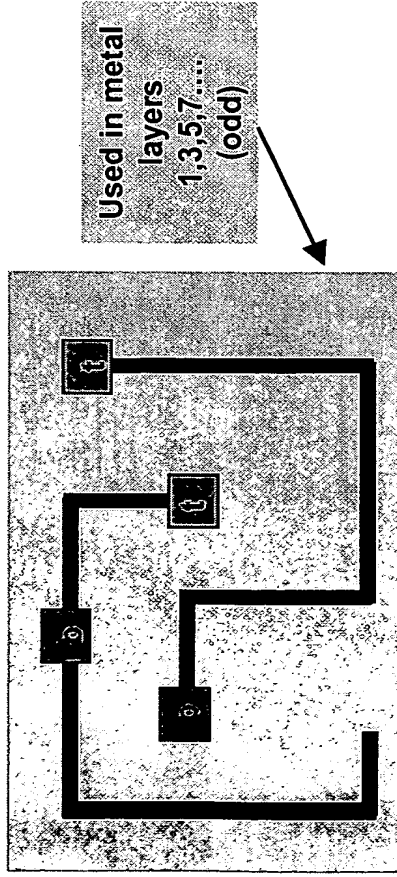


FIG. 10A



FIG. 11A



Basic Pattern



Basic Pattern w/ Metal Change  
(2 cuts, 2 jumps)

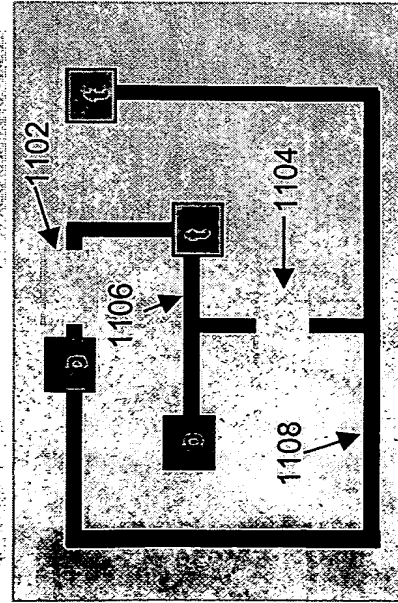
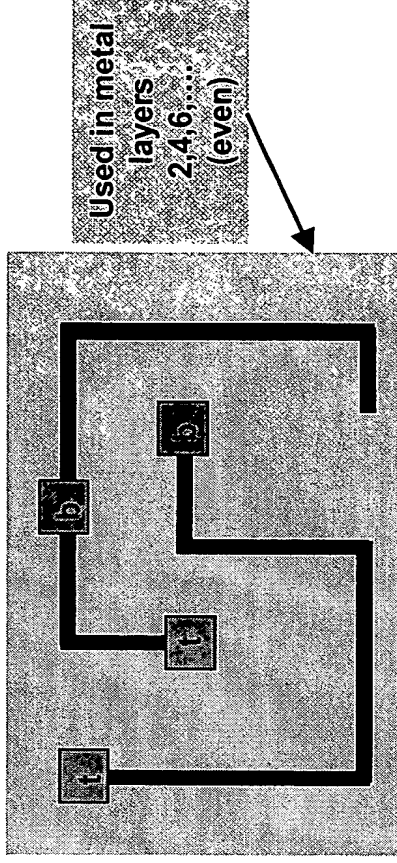


FIG. 11B

FIG. 11C



Flip Basic Pattern



Flip Basic Pattern w/ Metal Change  
(2 cuts, 2 jumps)

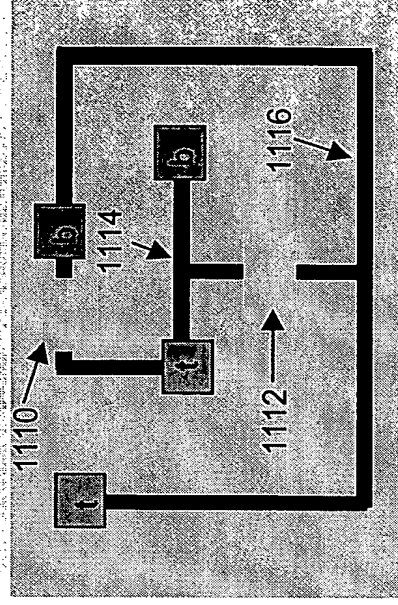
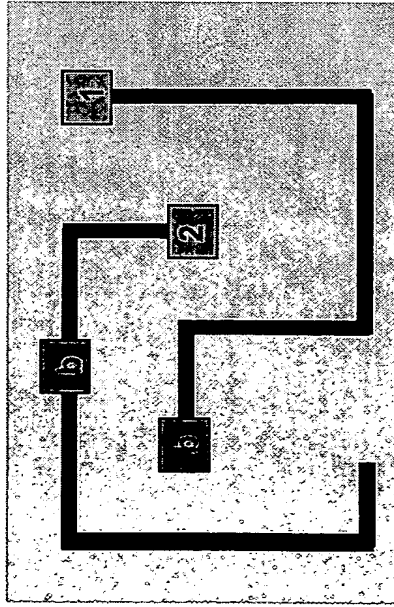


FIG. 11D

FIG. 12A



Basic Pattern



Basic Pattern w/ Via Change  
(2 disconnects, 2 connects)

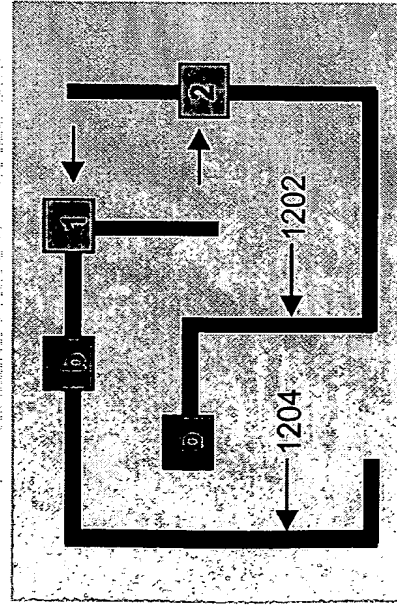
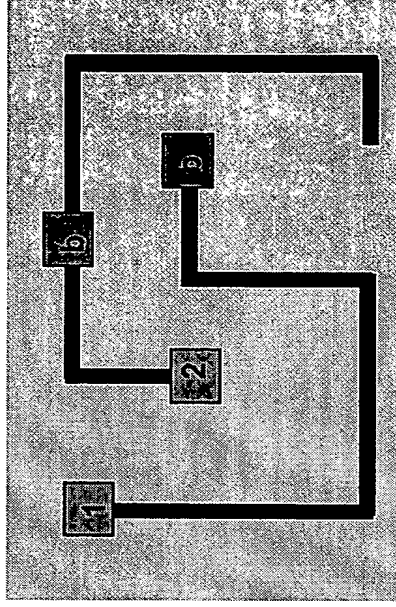


FIG. 12B

FIG. 12C



Flip Basic Pattern



Flip Basic Pattern w/ Via Change  
(2 disconnects, 2 connects)

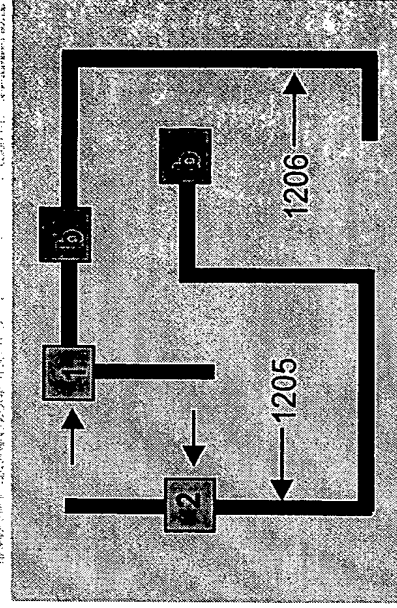


FIG. 12D

Basic Pattern

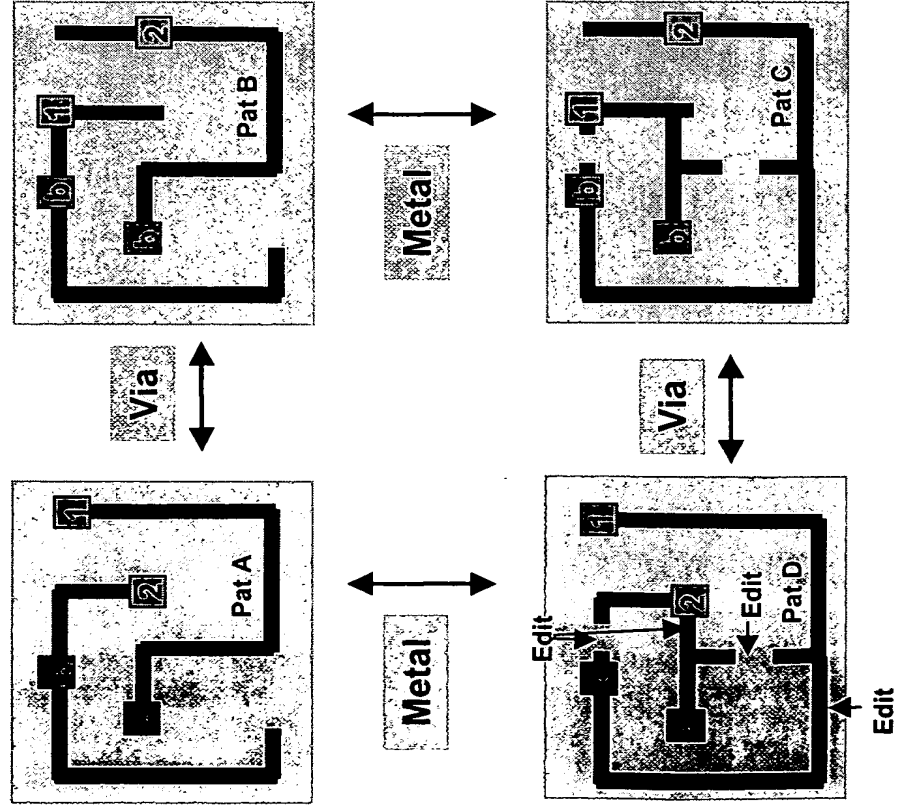


FIG. 13

Flip Basic Pattern

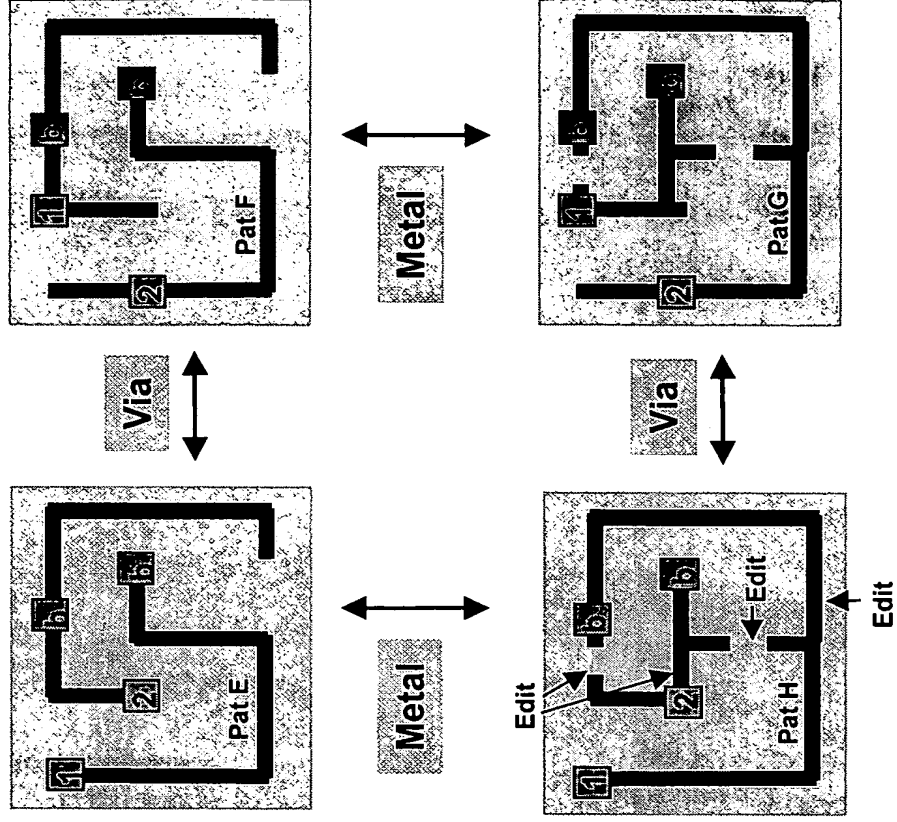


FIG. 14

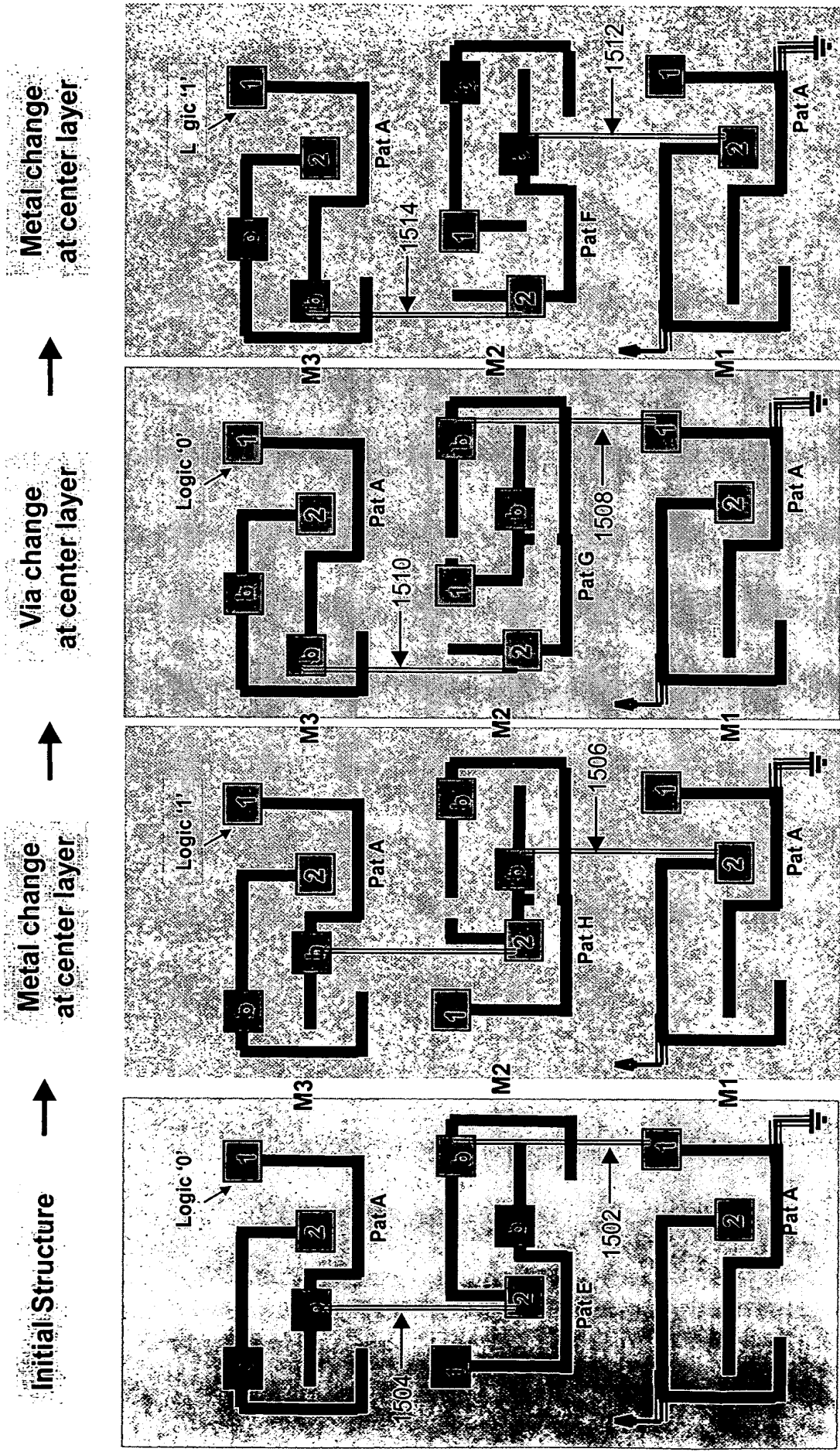


FIG. 15D

FIG. 15C

FIG. 15B

FIG. 15A

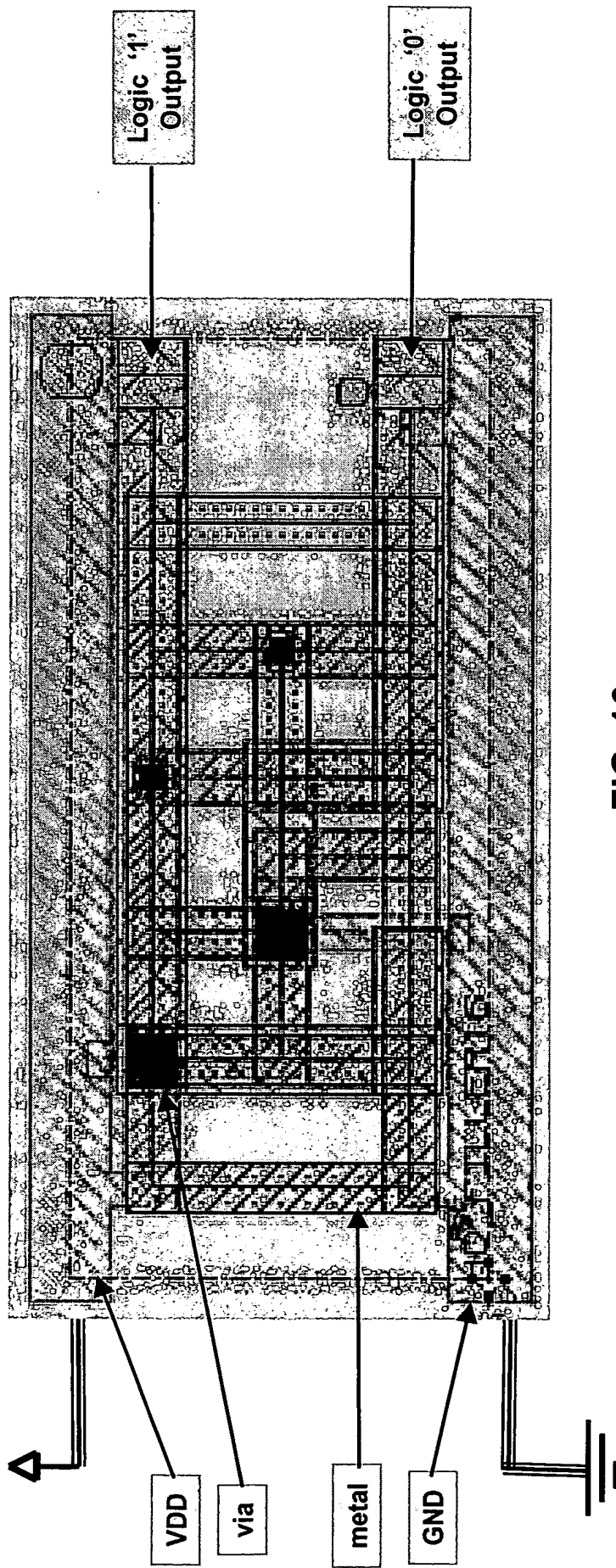


FIG. 16



FIG. 17A

Metal 1, Via1

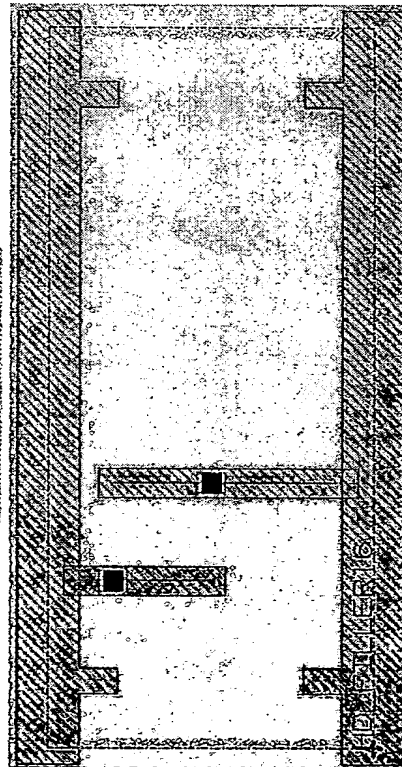


FIG. 17B

Metal 2

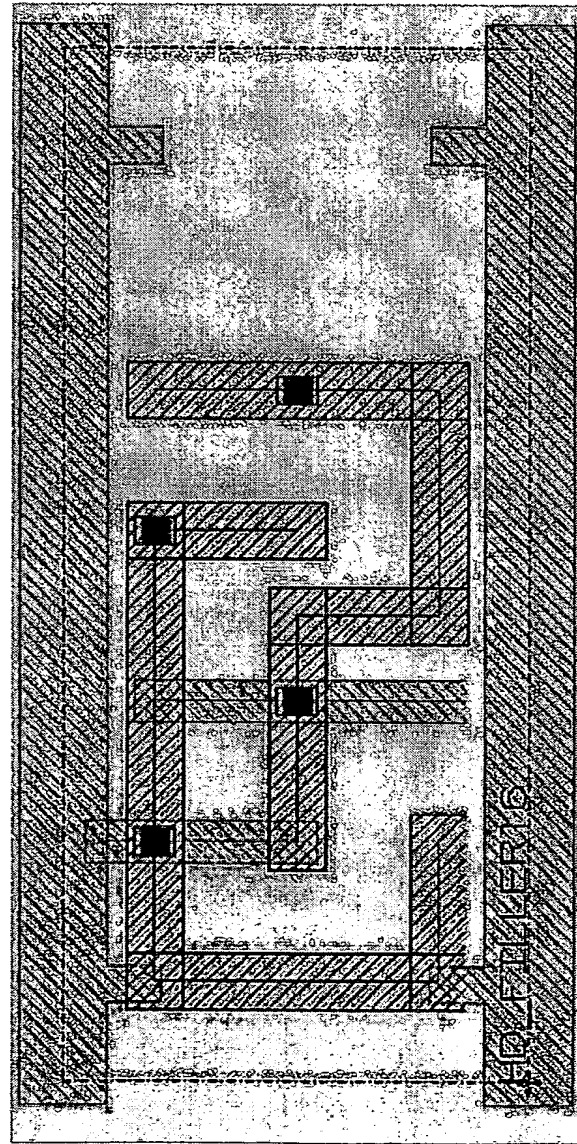
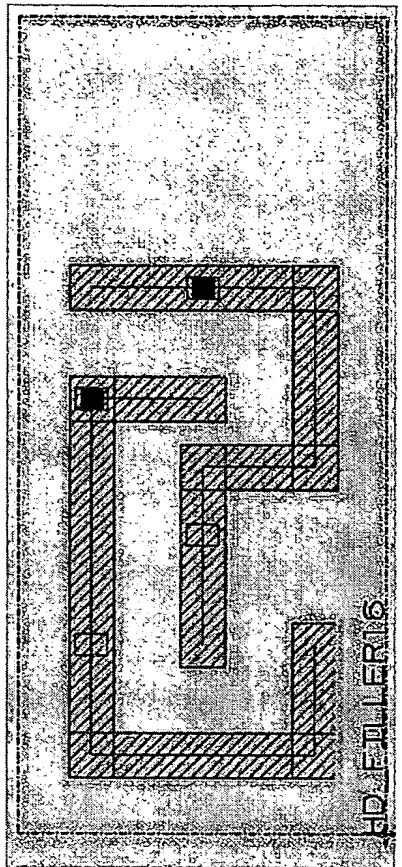


FIG. 17C

Metal 1, Via1,  
Metal 2

FIG. 18A

Metal 2, Via2

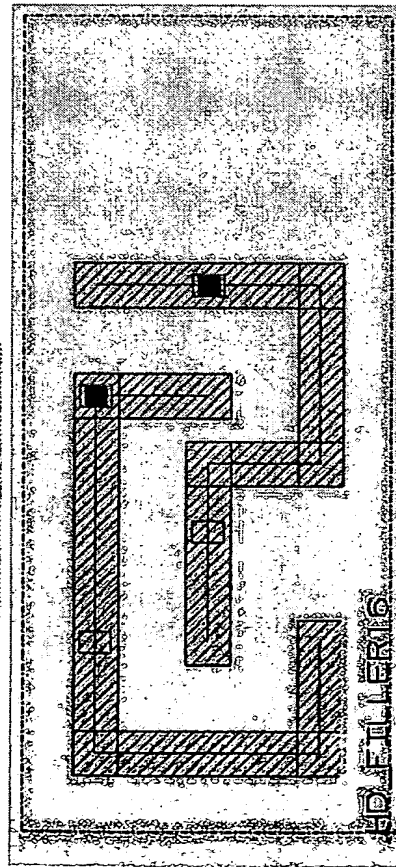
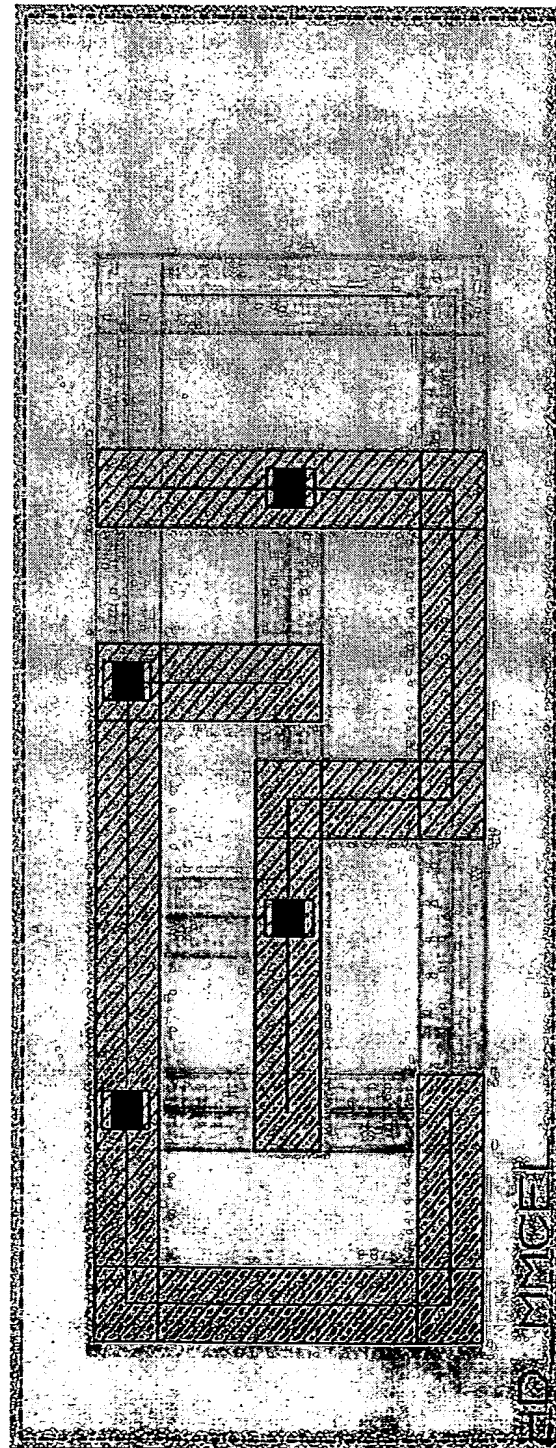
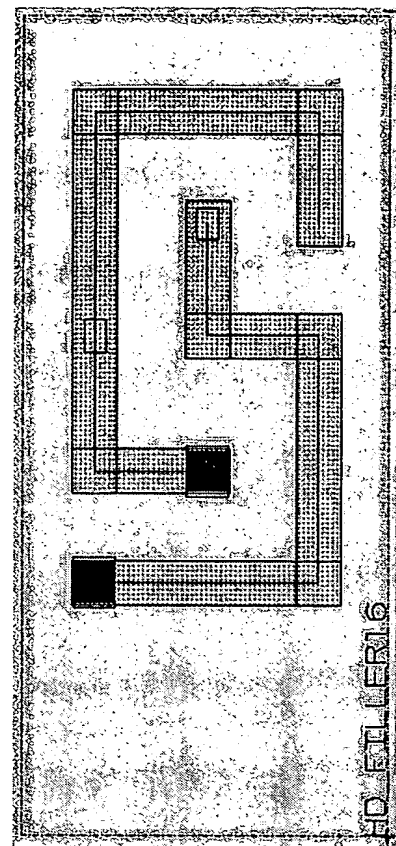


FIG. 18B

Metal 3



Metal 2, Via2,  
Metal 3

FIG. 18C

FIG. 19A

Metal 3, Via3

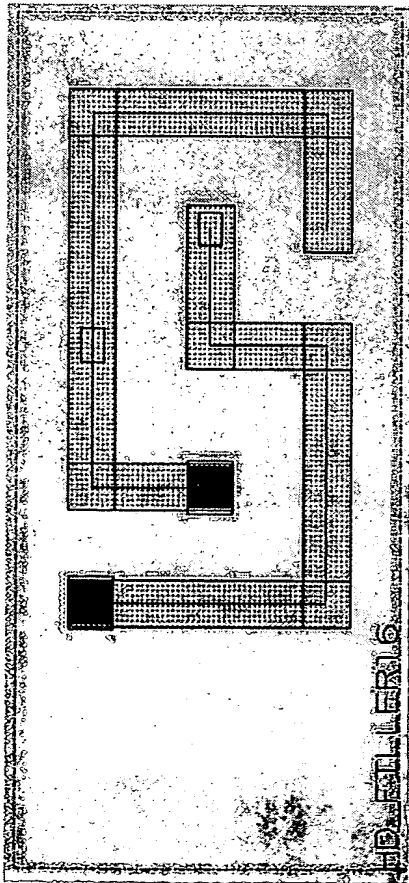


FIG. 19B

Metal 4

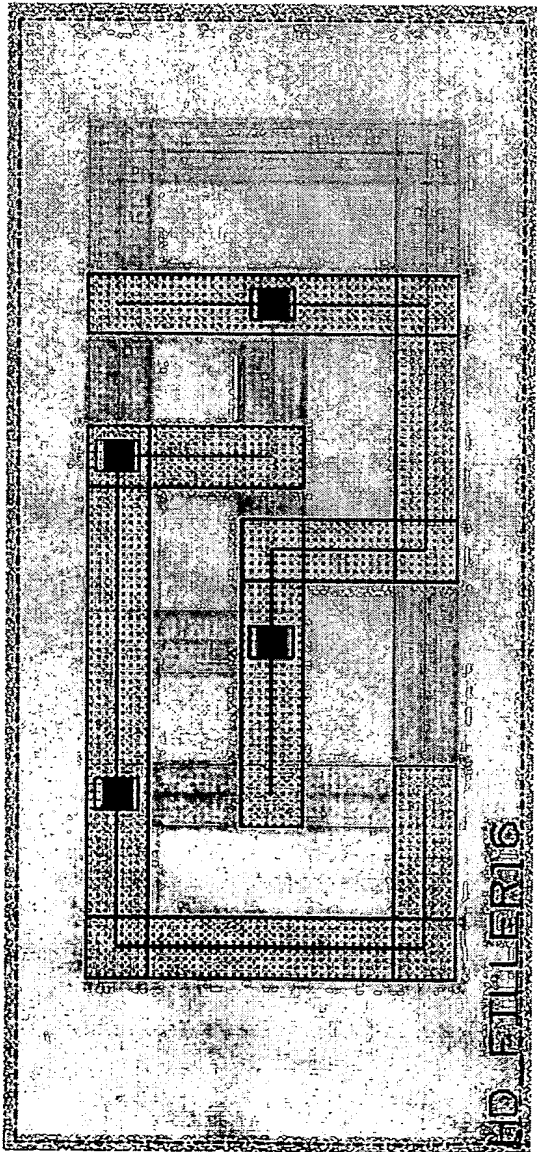
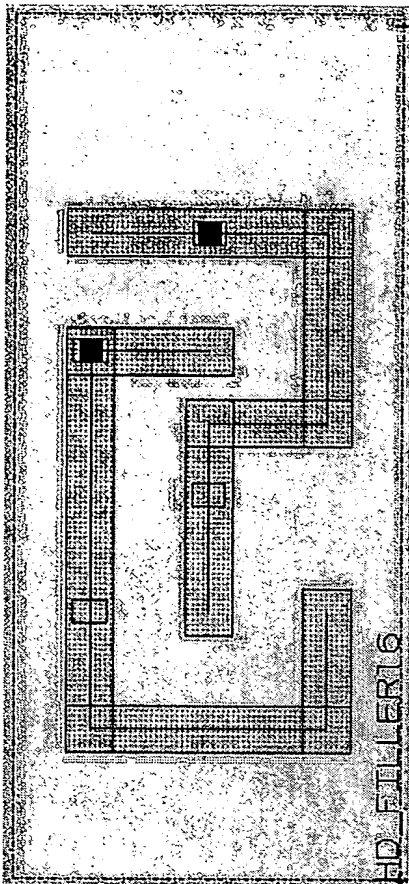


FIG. 19C



FIG. 20A

Metal 4, Via4

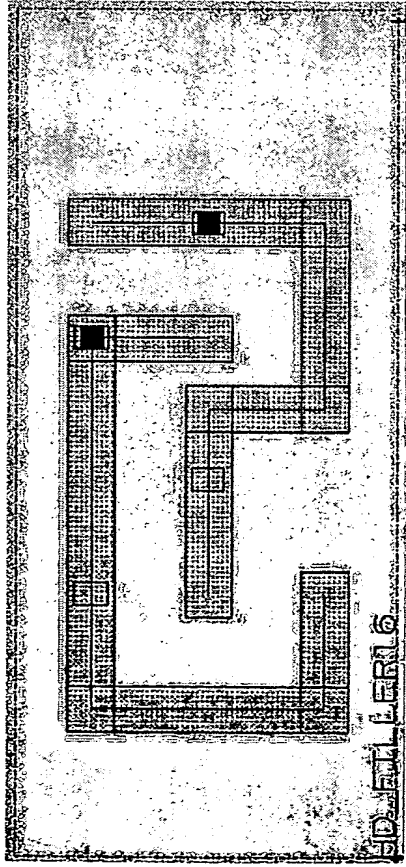
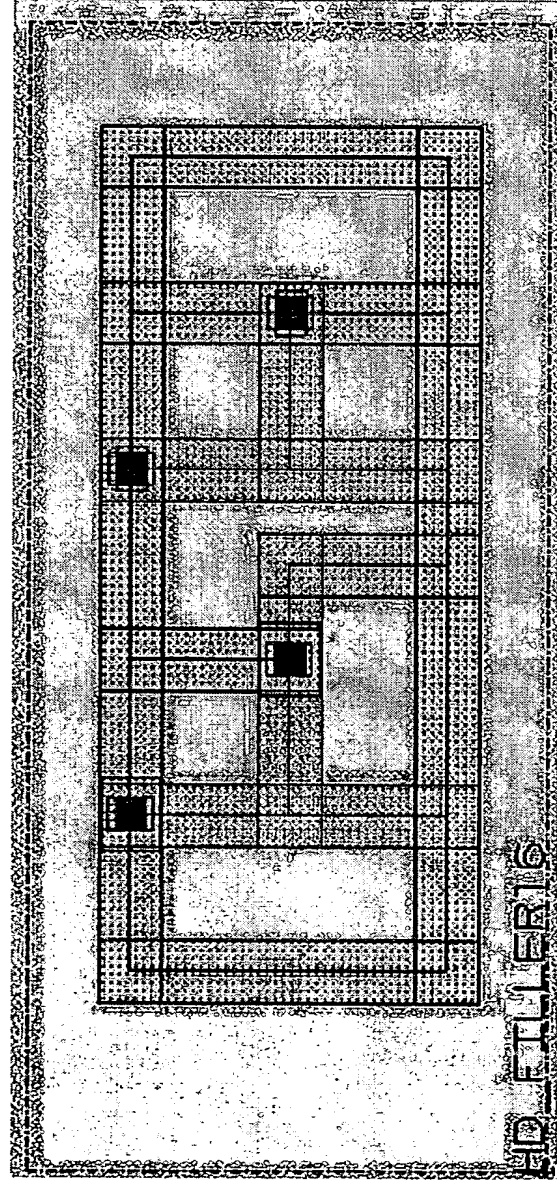
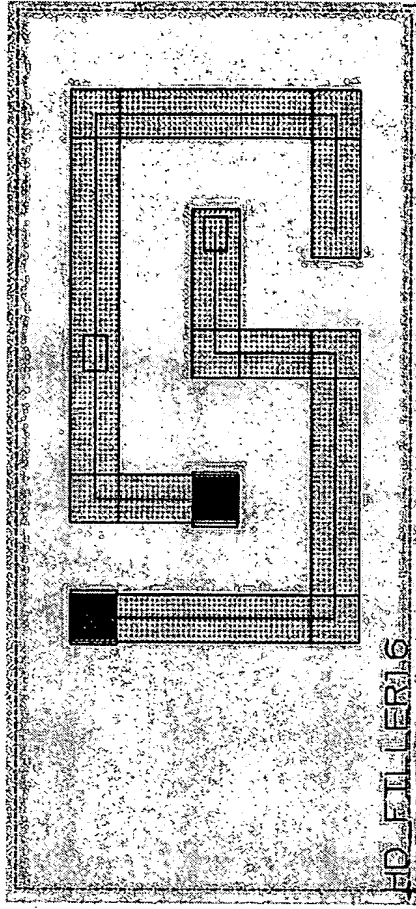


FIG. 20B

Metal 5



Metal 4, Via4,  
Metal 5

FIG. 20C

FIG. 21A

Metal 5, Via5

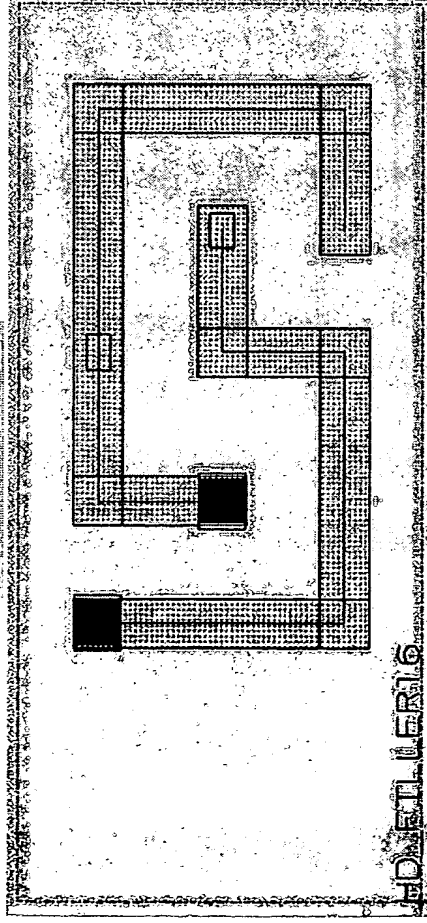


FIG. 21B

Metal 6

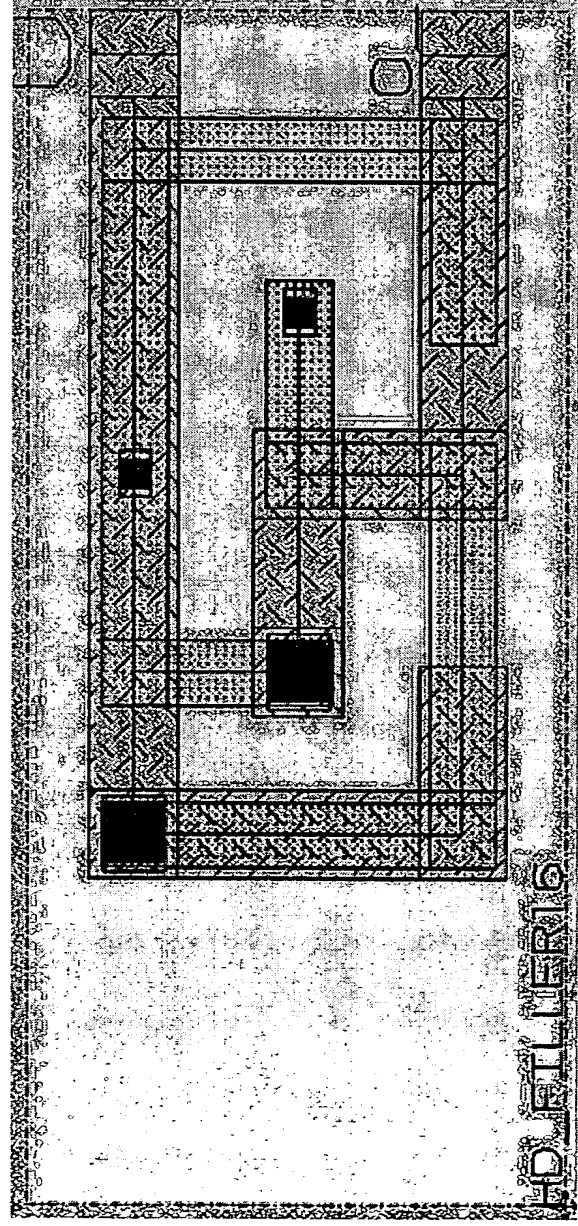
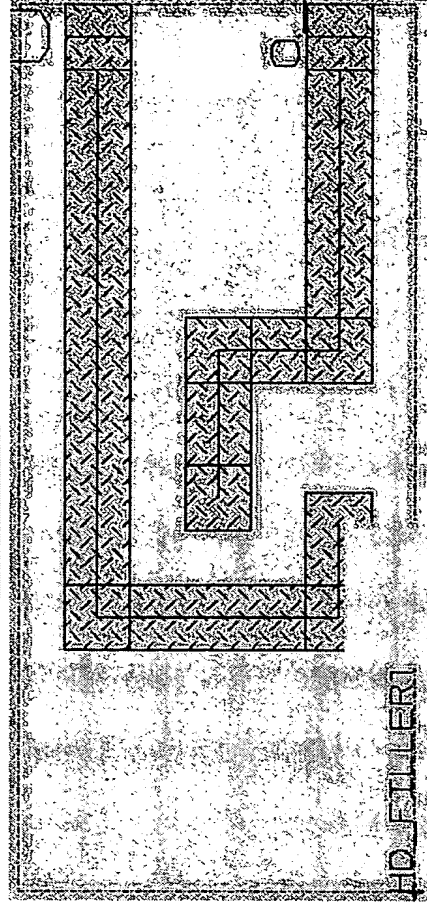


FIG. 21C

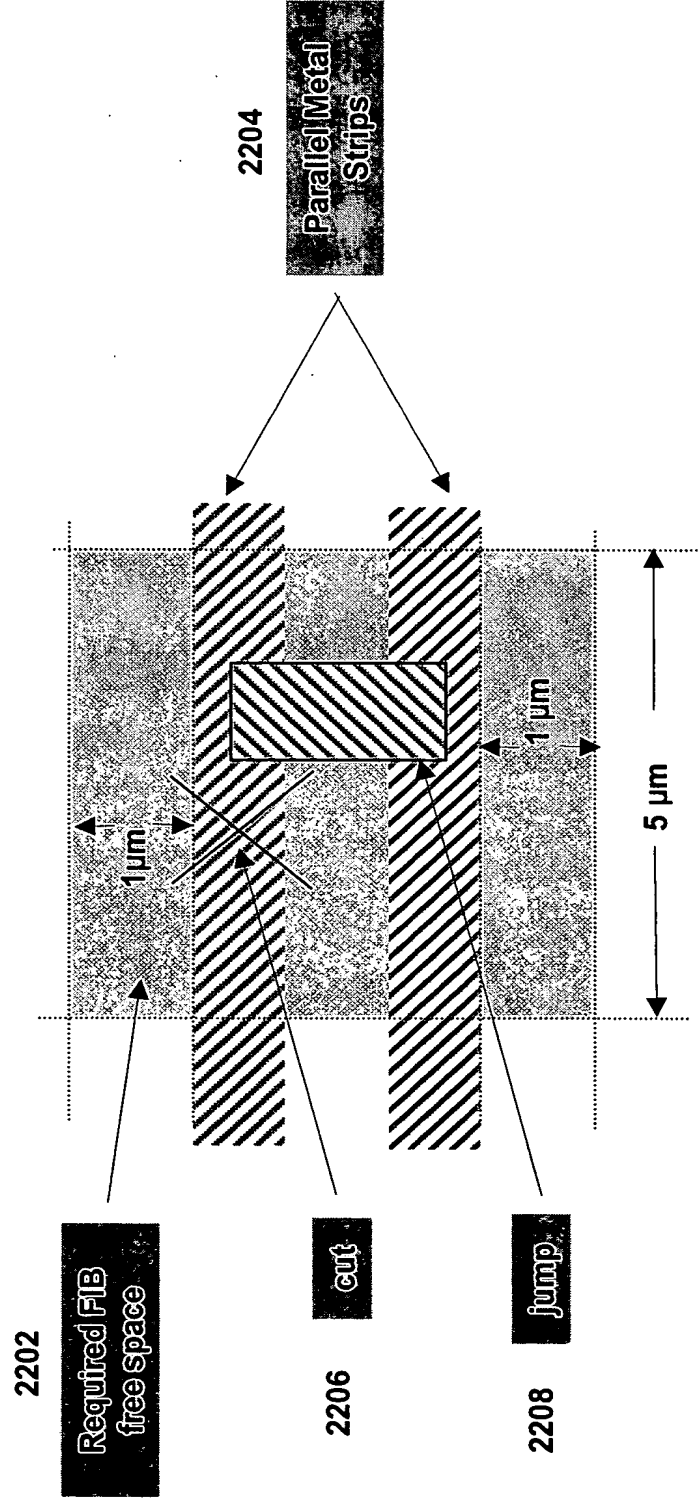


FIG. 22

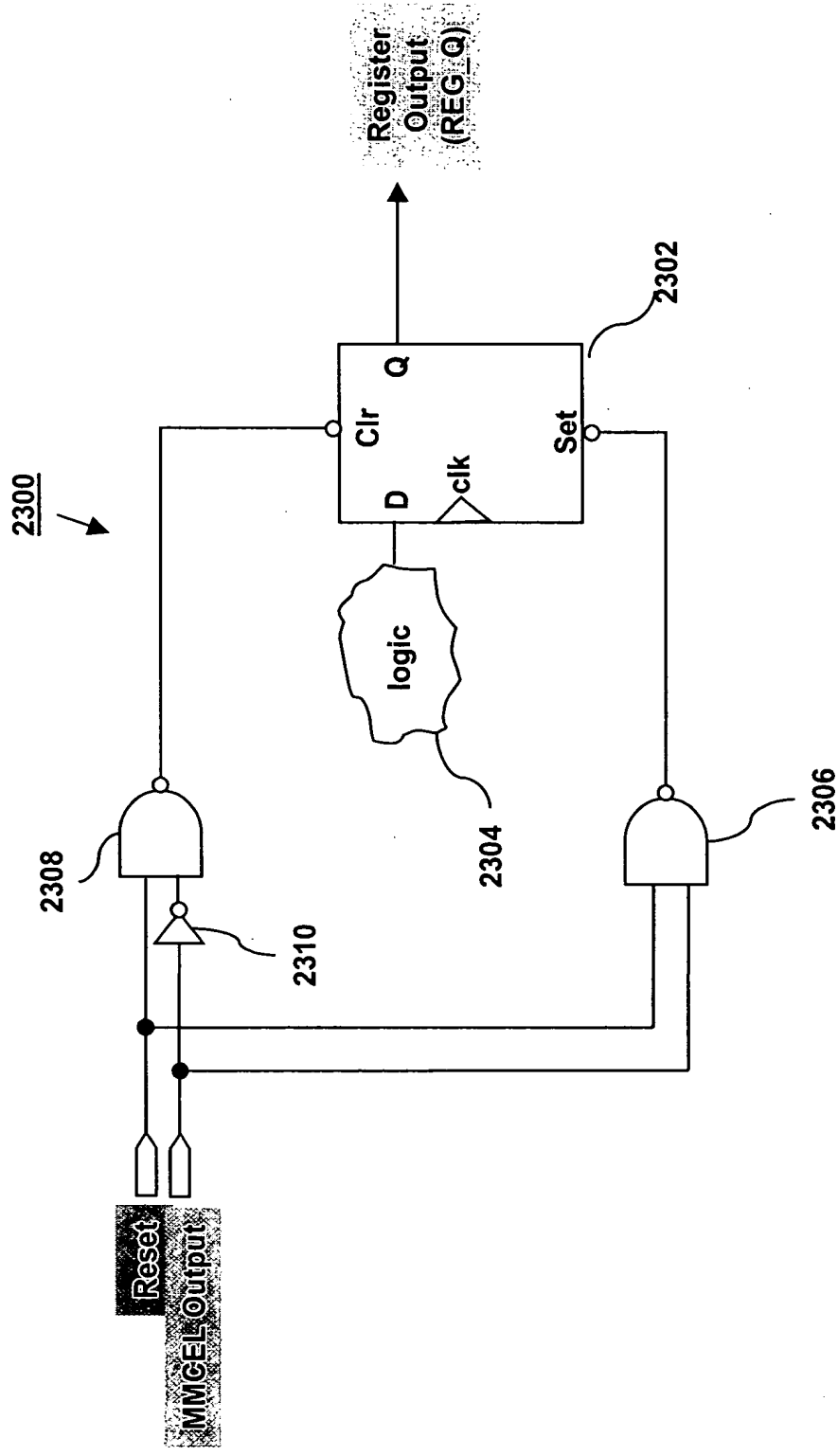


FIG. 23

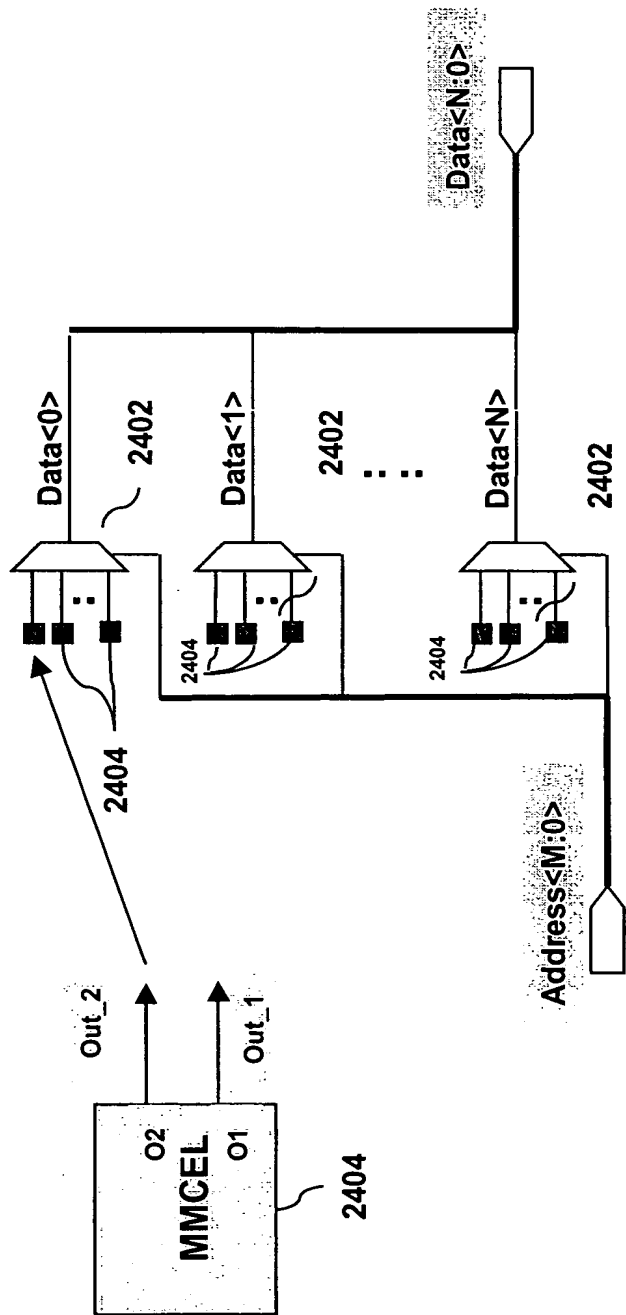


FIG. 24